

Claims

1. A base plate for a power scroll saw (10), having a through opening (15) for a
5 saw blade (13) that is drivable to a reciprocating motion by the power scroll saw
(10), characterized by an integrated guide device (21), with guide elements (22,
23) protruding into the through opening (15) for guiding and bracing the saw blade
(13) transversely to its sawing direction.
- 10 2. The base plate in accordance with claim 1, characterized in that a work
plate (25) is placed in a bottom plate (24) with a surrounding frame (241),
embodied for fastening to the power scroll saw (10), and is secured in it; and that
the guide device (21) is located between the bottom plate (24) and the work plate
(25).
- 15 3. The base plate in accordance with claim 1 or 2, characterized in that the
guide device (21) has a pusher mechanism (26); and that the guide elements (22,
23) are embodied as pivotable disk segments (30, 31), whose spacing, viewed
transversely to the sawing direction, from one another is adjustable by means of
20 the pusher mechanism (26).
- 25 4. The base plate in accordance with claim 3, characterized in that the disk
segments (30, 31) are supported pivotably, in regions of the bottom plate (24)
and/or work plate (25) diametrically opposite one another at the through opening
(15), about pivot axes oriented perpendicular to the bottom plate and work plate
(24, 25); that each disk segment (30, 31) is engaged, at the spacing from the
bearing point (32, 33), by a slide rod (28, 29); and that the slide rods (28, 29) are
pivotably connected with transverse spacing from one another to a pusher (27)
that is displaceable in the sawing direction.

5. The base plate in accordance with claim 4, characterized in that the guide device (21) has a manually releasable locking unit (36) for locking the pusher (27) in its displacement position at the time.

5

6. The base plate in accordance with claim 5, characterized in that the locking unit (36) has an adjusting button (42), with a clamping wedge (41) secured to it, that is displaceable on a [noun missing] in the displacement direction of the pusher (27) counter to the force of a restoring spring and a retaining block (34), secured to the pusher (27), with a runup ramp (40), extending in the displacement direction of the pusher (27), for the clamping wedge (41), which cooperates with the wedge face of the clamping wedge (41) for locking the retaining block (34).

7. The base plate in accordance with claim 6, characterized in that the runup ramp (40) is embodied on a clamping piece (39), which rests in form-locking fashion in a recess (38) in the retaining block (34).

8. The base plate in accordance with claim 6 or 7, characterized in that the clamping wedge (41) and the retaining block (34) are guided axially displaceably in a switch housing (37) that is retained between the bottom plate (24) and the work plate (25).

9. The base plate in accordance with one of claims 6 through 8, characterized in that the restoring spring is braced on the switch housing (37) and on the clamping wedge (41).

10. The base plate in accordance with claim 8 or 9, characterized in that the bottom plate (24), in the region of the switch housing (37), has a recess (43), in which the retaining block (34) can be engaged for displacement in the switch

housing (37).

11. A power scroll saw having a housing (11) and a saw blade (13), drivable by a motor to a reciprocating motion, characterized by a base plate (20) in

5 accordance with one of claims 1 through 10.